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INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

	or agent's file reference PCT/JPW/JCC	FOR FURTHER ACTION	see Notific (Form PC) below.	cation of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5
International PCT/US03/	d application No. 12768	International filing date (day/more 23 April 2003 (23.04.2003)	th/year)	(Earliest) Priority Date (day/month/year) 23 April 2002 (23.04.2002)
Applicant THE TRUS	TEES OF COLUMBIA UNI	VERSITY IN THE CITY OF NEW	YORK	
applicant a	ational search report has been coording to Article 18. A contained attended to the consistence of the consis	opy is being transmitted to the Inte	earching /	Authority and is transmitted to the Bureau.
	It is also accompanie	d by a copy of each prior art docu	ment cite	d in this report.
a	language in which it was filed	d, unless otherwise indicated under	this item.	e basis of the international application in the
ъ.	Authority (Rule 23.1(b)).	e and/or amino acid sequence disc		ne international application furnished to this
		nal application in written form.		
		rnational application in computer re his Authority in written form.	adable, lon	m.
		his Authority in computer readable	form.	
		equently furnished written sequence		es not go beyond the disclosure in the
			ole form is	identical to the written sequence listing has
2.	Certain claims were found	d unsearchable (See Box I).		
3 4. With r	Unity of invention is lacki	ng (See Box II).		
	egard to the title, the text is approved as subr	nitted by the applicant		
		d by this Authority to read as follow	vs:	
5. With r	egard to the abstract,			
\bowtie	the text is approved as subm	nitted by the applicant.		
	the text has been established may, within one month from Authority.	d, according to Rule 38.2(b), by thing the date of mailing of this interna	s Authorit tional sear	y as it appears in Box III. The applicant ch report, submit comments to this
6. The fig	ture of the drawings to be pu	blished with the abstract is Figure 1	No	
	as suggested by the applicar			None of the figures
	because the applicant failed	-		
	because this figure better ch			
Form PCT/IS/	V210 (first sheet) (July 1998)	\		



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/12768

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : C07H 21/00; A61K 48/00; C12Q 1/68 US CL : 514/44; 435/6, 325, 375; %36/23.1, 24.5				
According to International Patent Classification (IPC) or to both a	national classification and IPC			
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed U.S.: 514/44; 435/6, 325, 375; 536/23.1, 24.5	l by classification symbols)			
Documentation searched other than minimum documentation to the	e extent that such documents are include	ed in the fields searched		
Electronic data base consulted during the international search (na. West, Biosis, CA, SciSearch, Embase, Medline	me of data base and, where practicable,	search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		· · · · · · · · · · · · · · · · · · ·		
Category * Citation of document, with indication, where a		Relevant to claim No.		
	1) FUTAMATSU, H., et al. Attenuation of experimental autoimmune myocarditis by blocking activated T cells through inducible costimulatory molecule pathway. Cardiovascular Research. July 2003, Vol 59. No.1 pages 95-104. Throughout			
Growth Of Cardiac Fibroblasts.	STENHOFF J. et al Vitamin K-Dependent Gas6 Activates ERK Kinase And Stimulates Growth Of Cardiac Fibroblasts. Biochemical and biophysical research communications, July 2004, Vol 319. No. 3, pages 871-8. GUPTA, S. et al. Myotrophin-B DNA Interaction In The Initiation Process Of Cardiac Hypertrophy. Biochimica et Biophysica Acta. 2002, Vol 1589. No. 3, pages 247-260.			
A GUPTA, S. et al. Myotrophin-B DNA Interaction Hypertrophy. Biochimica et Biophysica Acta. 2007				
Y PIACENTINI L; et al. Endothelin-1 Stirmulates Ca Activation Of Protein Kinase C. Journal of molecular and cellular cardiology. April	rdiac Fibroblast Proliferation Through	. 1-90		
Further documents are listed in the continuation of Box C.	See patent family annex.			
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention			
E earlier application or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered novel or taken alone	e claimed invention cannot be lered to involve an inventive step		
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination			
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in t	he art		
P document published prior to the international filing date but later than the priority date claimed	"&" document member of the same paten	ı family		
Date of the actual completion of the international search	Date of mailing of the international se	arch report		
06 August 2004 (06.08.2004)	24 AUG 2004	·		
Name and mailing address of the ISA/US Mail Stop PCT, Aun: ISA/US	Authorized officer	Mules		
Commissioner for Patents P.O. Box 1450	J. D. Schultz, Ph.D.	and the second		
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orm PCT/ISA/210 (second sheet) (July 1998)				

PCT/US03/12768

INTERNATIONAL SEARCH REPORT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	OKUNO et al. Expressional Patterns Of Cytokines In A Murine Model Of Acute Myocarditis: Early Expression Of Cardiotrophin-1. Laboratory Investigation. March 2000, Vol. 80, No. 3, pp. 433-440	
Y	FEUCHT, M., VEGF Induces Cardiovascular Malformation And Embryonic Lethality. American Journal of Pathology 1997. Vol 151. No. 5, pages 1407-1416.	1-90
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